User's Manual

Remote Controlled Bait Boat

Product Type (EARL)

---Pictures are for reference ONLY

CE RoHS

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■ Important Notes

- Please keep the battery full of Remote Controller when using, otherwise, it will seriously influence the signal strength.
- You must charge up your accumulators to full at the first step before using. Insufficient power may result your boat could not control back.
- Normally, our remote controller has been set OK before leaving Carp Royal, any damage caused to the Remote Control by your improper using or blind setting is on your account.
- Powers should be **TURN ON** as following order

  R.C. Transmitter → Boat Main Switch → Light Switch on the boat,

  and **TURN OFF** in reverse order.
- Check the LED **Battery Level Monitor** on the boat before sailing. LED in **Green** color indicates battery full and ensure your happy trip, **Orange** color need charge the battery, **Red** color must stop sailing immediately ensure boat under power and control.

■ Packing Information

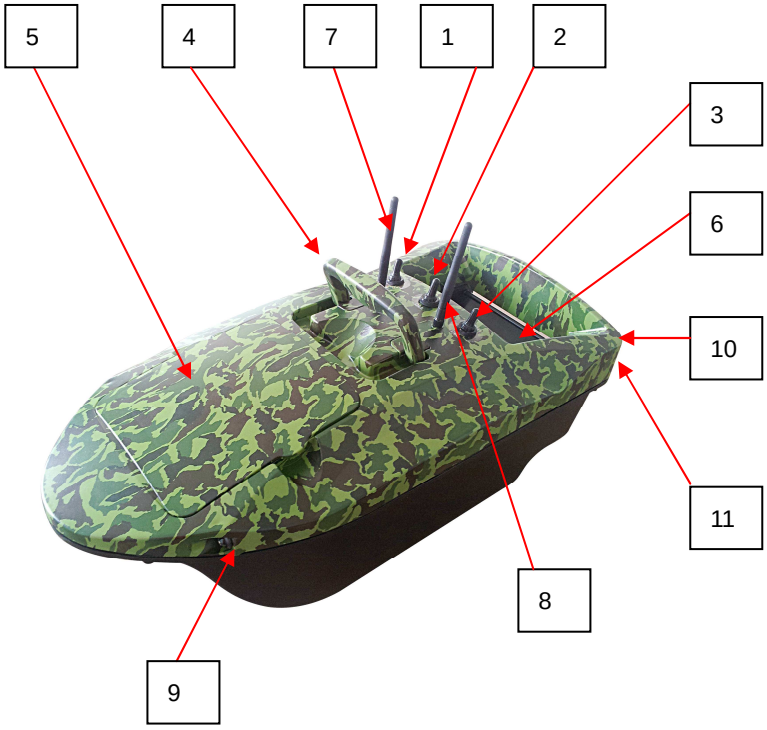
Quantity / Packing Details	EARL
Bait Boat (pcs.)	**1**
Remote Controller (set)	**1**
Fish-finder (set, optional)	**☐0, ☐1**
Main Battery (pcs.)	**☐1, ☐2**
Battery Charger (pcs.)	**☐1, ☐2**
Lubricant (can)	**☐0, ☐1**
Carry Bag (pcs., optional)	**☐0, ☐1**
Waterproof Cover (pcs.)	**1**
User's Manual (pcs.)	**1**
Backup Fuse (pcs.)	**2**
Backup Propeller (pcs.)	**1**

■ Model List & Technical Specification

Model List	
Model List	**Colour**
CARPR-110	Black (whole boat)
CARPR-111	Data Red of Window-cover/Grey of Upper Hull
CARPR-112	Bright Orange (Upper Hull)
CARPR-118	Camouflage (Upper Hull)
Optional facilities: Sonar Fish-finder (E), Carry Bag.	
Technical Specification	
Product Name	Remote Controlled Bait Boat – EARL Type
Power Supply	Main Battery: 6V/5A (2 lead accumulators), or 7.4V/6A (2 lithium batteries as option) Battery of Remote Controller: (9.6-12V) /8pcs "AA" Alkaline Battery (or 11.1V/1800MA, 1 lithium battery as option)
Battery Using Time	1.5~2.0 hours (continuous using)
Remote Range	300 Meter
Sailing Speed	1~2 m/s
Wave Resistance	About 3-4 class
Charger Voltage	AC 110-240V
Bait Hopper Loading	About 1-1,5kg
Size	**Boat:** 59.0*28.0*25.0 cm **Carton:** 64.5*31.5*38.5 cm
Weight	**N.W.:** 6.0 kg/pc **G.W.:** 8.0 kg/carton

■ Structure Illustration

【Upper Hull】



1. Main Switch

2. Main Switch of Fish-finder

3. Light Switch

4. Carrying Handle

5. Window Cover

6. Bait Hopper Flap

7. Antenna of R.C. Receiver

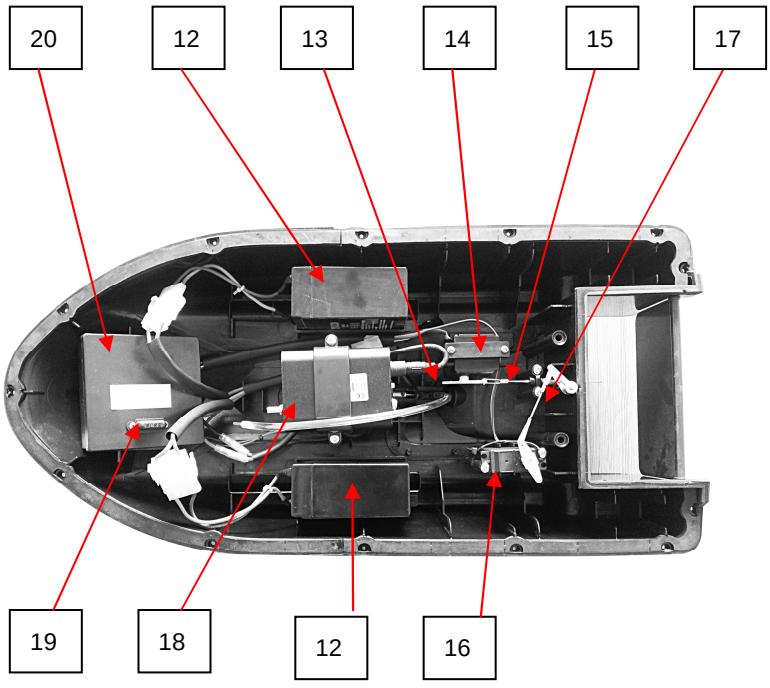
8. Antenna of Fish-finder

9. Front Light

10. Rear Light

11. Battery Level Monitor-LED

【Lower Hull】



12. Main Battery

13. Motor

14. Servomotor for Bait Hopper

15. Bar for Bait Hopper

16. Servomotor for Rudder

17. Rudder Fittings

18. Fish-finder Controller

19. Fuse

20. Circuit Box

■ Function Instruction

1. Main Switch: controls the power supply of the boat.

2. Main Switch of Fish-finder (optional): controls the power supply of fish-finder controller.

3. Light Switch: controls ON/OFF of the lights.

4. Carrying Handle: helps to carry the boat easily to wherever you want.

5. Window Cover: protects the inner electronic components and take out the battery after opening it.

6. Bait Hopper Flap: part of *Bait Hopper*, helps to bear and drop baits and fishing hooks.

7. Antenna of R.C. Receiver: enhance the function of signal receiving and transmitting of the R.C.

8. Antenna of Fish-finder (optional): enhance the function of signal receiving and transmitting of the fish-finder.

9. Front Light: two white LED lights, helps to tell the direction and location of the boat in poor light or at night.

10. Rear Light: two red LED lights, helps to tell the direction and location of the boat in poor light or at night.

11. Battery Level Monitor-LED: shows the battery level.

12. Main Battery: 2 pieces of 6V/5A lead accumulators located in the *Lower Hull*, giving near 1.5-2 hours of continuous working. As option, you also can choose lithium batteries supply.

13. Motor: makes the propeller working, and offers driving force to the boat.

14. Servomotor for Bait Hopper: opens and closes the *Bait Hopper Flap*.

15. Bar for Bait Hopper: helps to open and close the *Bait Hopper Flap*.

16. Servomotor for Rudder: controls the direction of the *Rudder*.

17. Rudder Fittings: connects relevant parts to help servomotor with the direction of the *Rudder*.

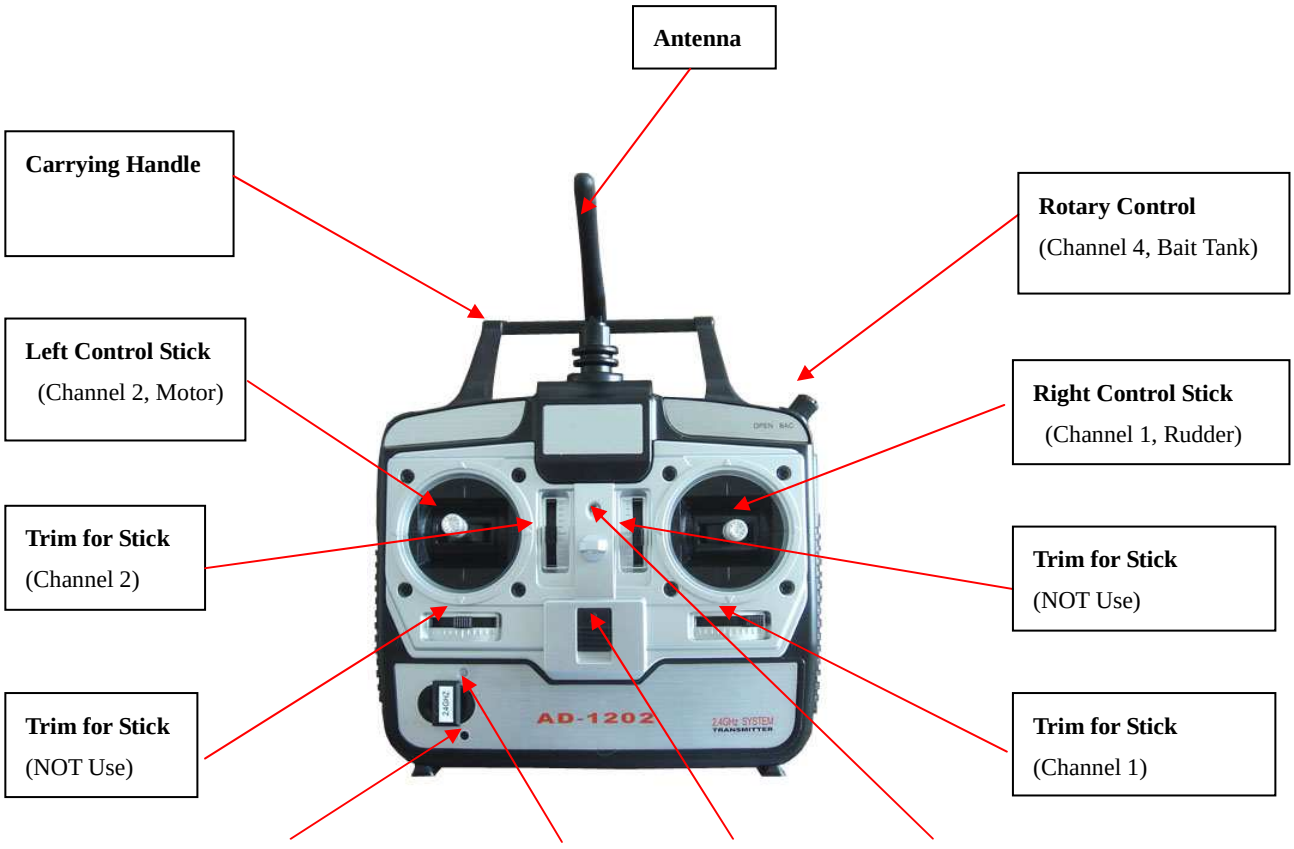
18. Fish-finder Controller (optional): receives and processes signals of the fish-finder.

19. Fuse: protects the speed controller from overheating when the boat gets stuck in sailing. 10 or 15 Amps fuses can be used by the boat.

20. Circuit Box: incl. *R.C. Receiver, Speed Controller and Fuse*, fixed in the front of the *Lower Hull* and totally removable for easy maintain.

■ Remote Control

【AD-1202 R.C.】



【AD-1202 R.C. for EARL】

Channel Settings & Functions

- **Channel 1**: direction command to rudder (turns left or right).
- **Channel 2**: forward and reverse command to motor.
- **Channel 4**: open and close command to the bait hopper.
- **Trim for Stick**: provides fine adjustment of function of control sticks (usually neutral position).
- **LED Power Monitor:** RED -- transmitter is in good working condition,
  FLICKERING RED – transmitter is in LOW power.
- **Code Matching Key:** function key for *Code Matching*.
- **Status Indicator:** indicates working condition during *Code Matching*.

Attention: Normally, Remote Control has been set OK before leaving Carp Royal, any damage caused to the Remote Control by your improper using or blind setting is on your account.

■ Using Direction

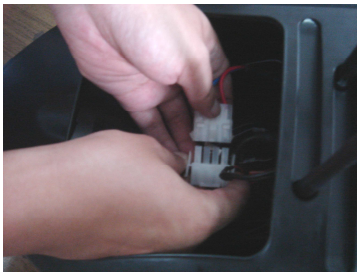
Attention: Before you use the boat,
* We advise you keeping the shipping box of the boat in case you may return it for repairing.
* You must charge up your accumulators to full at first step before using.
* Please keep the full batteries of the R.C., otherwise, it will seriously influence the signal strength.

STEP 1. Set up Batteries

（1）Set up Batteries in the Boat

Make sure the *Main Switch* is turned OFF, open the *Window Cover,* and then remove it.

Put the two batteries to each *Battery Holder* which installed in the boat in advance, then connect each of them with the corresponding electronic connector which on the electronic board. (See Pic.).



Attention:

a. When connecting the battery, make sure the wires are in corresponding colour that red is to red, blue is to blue.

b. Please pay attention the shorter line which on one of battery is only for charging. This time, you need not connect.

c. Make sure the plugs are connected firmly so as to avoid any poor connection.

（2）Set up Batteries in Transmitter

Put 8pcs of “AA” alkaline batteries correctly in the transmitter and check the power. (You also could choose lithium battery as option.) For AD-1202 Remote Control, the transmitter alarms 1 time/second when the power voltage is 8.3-8.8V, which indicates the power is low and batteries can be used not for long, the transmitter alarms 2 times/second when the power is 8.3V below, it indicates the power is inadequate and new batteries are needed.

Attention:

a. Please pay special attention to the positive and negative poles when setting up batteries.

b. New batteries are needed when the power is too low or inadequate.

Please note not new or insufficient batteries will serious influence the signal strength!

STEP 2. Power on & Check

Turn on the *R.C. Transmitter*, *Main Switch* [1] and *Light Switch* [3] in order, and check the lights on the boat. Control the Transmitter and check the *Bait Hopper*, *Propeller*, *Rudder* and *battery level*.

Attention:

a. Powers should be turned ON in this order: *R.C. Transmitter* → *Main Switch* → *Light Switch* (→*Fish-finder Controller* → *Fish-finder Displayer*). Otherwise, product may be out of control, control mixing or damaged.

b. Powers are connected correctly and firmly, right placed and sufficient powered.

c. Control the transmitter and check the *Bait Hopper* according to **Page 7**（*R.C. Channel Settings & Functions*）.

d. Make propeller work by controlling the transmitter and check the *LED Battery Level Monitor*:

[**RED]** – inadequate power, need to charge main batteries.

[**ORANGE**] – low power, boat can run but not more than 1 hour.

[**GREEN**] – full power. We kindly suggest you use the boat under full power.

STEP 3. Place Baits and Fishing-lines

Close the *Bait Hopper* by controlling the transmitter, and put the baits and fishing-lines in.

Attention:

a. Make sure powers are ON before this step.

b. Around 1kg for the *Bait Hopper* ONLY, otherwise the electronic components may be damaged upon overweight.

c. Pushing the *Bait Hopper Flap* by hand is prohibited.

d. Group hooks should be put into the hopper from the bottom of the flap, and with the transmitter operated at the same time so as to close the hopper and place other baits.

STEP 4. Sail in Water

When the above steps finished, put the boat in water, control the transmitter and enjoy the real fun of fishing!

Attention:

a. NO sailing upon low power. Otherwise, it will cause the boat out of control in the water!

b. NO return sailing before dropping out the fishing-line, or propeller may be stuck.

c. **In order to achieve the best signal control during sailing, please keep all the antennas (receiver's & transmitter's) in same parallel direction.**

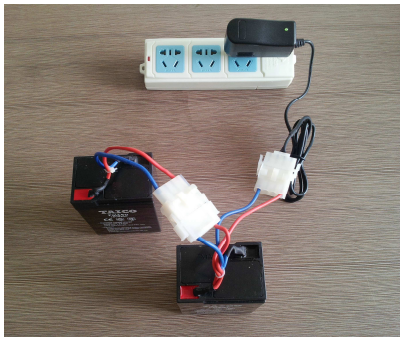
STEP 5. After Sailing

After sailing, please keep your boat in order strictly according to steps below:

Close *Bait Hopper* by controlling the transmitter → Turn OFF *Light Switch* → Turn OFF *Main Switch* → take out the batteries (incl. the batteries for *Fish-finder Controller if have*) → Turn OFF *the R.C. transmitter* and take out batteries from it → (Turn OFF *Fish-finder Displayer* and take out batteries from it)→Clean and pack the product.

Attention: Powers should be turned OFF in following order: *Light Switch* → *Main Switch* (→*Fish-finder Controller*) → *R.C. Transmitter* (→ *Fish-finder Displayer*). Otherwise, product may be out of control, control mixing or damaged.

■ Battery Charging



When charging the main batteries, connect the two batteries at first, and then connect batteries with the battery charger. (See Pic.)

Attention: when the LED monitor on battery charger turns green, the battery is full. Then, disconnect the batteries, and install them separately in the boat (See P8).

(Optional) ***Fish-finder Manual***: separately attached.

■ Safety Notes

- ✧ **Battery:** 12 hours for the first charging and 8-10 hours after that. When charging, LED monitor on the battery charger turning in RED indicates that battery is in charging, GREEN that battery is charged OK.
- ✧ Charge batteries first before leaving the product for a long-term NOT USING, don't forget to recharge them once every month so as to keep their service life. Normally, every battery can be charged and used about 300~400 times before it comes to the end of its useful life. We kindly suggest you buy extra batteries for backup usage.
- ✧ Please take out batteries before packaging and transportation. Don't make the batteries (lead accumulators) in inverse direction in long time, it will cause liquid leaking and damage the batteries.

  Attention: Lead accumulators are made from strong corrosive liquid sulfuric acid. Any leakage caused by strong crash or extrusion may lead to inestimable consequences. If sulfuric acid comes to your skin or eyes by accident, please wash it rapidly and ask for doctor.
- ✧ The inner part of the boat should be kept totally dry. Please tidy and dry the boat every time you have used it.
- ✧ Please avoid water grasses, plastic bags and any wastes that may cause propeller stuck, upon which fuse in the boat will burn out and the boat will stop at once. Please change the fuse in this situation.
- ✧ Please keep the product from any other communication facilities, power lines and skyscrapers, which may cause some signal interferences.
- ✧ Circuit and structure changed without approval are on your account.
- ✧ Make sure the product is used safely in bad weather, such as rainy days, strong wind, high humidity, dark environment.
- ✧ Please use the product at safe and lawful places, and keep it away from environment that may hurt human beings and animals.
- ✧ The product can not be used after medicine and alcohols, or under bad spirit or fatigue.

■ Trouble Shooting

No.	Fault Phenomena	Possible Causes	Trouble Shooting
1	The transmitter buzzes intermittently when it is powered on.	Batteries are in low power.	Change to new batteries.
2	The boat gives no response when all powers are ON and full.	Batteries in the transmitter are set up in the wrong way.	Check batteries.
		R.C. fault.	Check R.C. & if need return the whole set of R.C. (incl. transmitter and receiver) to CarpRoyal.
3	The R.C. gives no response and the LED on the receiver is in RED when all powers are ON and Full.	Signal interferences occurred, or the signal of transmitter and receiver is not matched. *Code Matching* is needed.	1. **Receiver:** turn ON the *Main Switch* on the boat, press and hold the *Set Key* on the receiver till the *LED Indicator* turns from red to flickering orange. Then, release the key. 2. **Transmitter:** press and hold the *Code Matching Key* and turn ON the *Main Switch* at the same time, you can see the *LED Monitor* in green. Release and press again the *Code Matching Key*, and the *LED Monitor* turns from green to orange. Then press and hold the *Code Matching Key* till the *LED Monitor* turns to flickering orange, then check both *LED Monitor*s. If the *LED Monitor* on the Receiver is OFF and the one on the transmitter is in green, code matching is finished successfully and you can release the key. 3. Turn OFF the *Main Switch* of the boat and transmitter at first and turn ON them again to check the R.C is all right or not. 4. Please make sure *Code Matching* is set in short distance and no signal interference or other Code Matching exist.
4	Motor runs by itself when all powers are ON and full and in right order, yet the transmitter is not operated.	Same as **No. 3**.	Same as **No.3**.
		R.C. fault.	Return the whole set of R.C. (incl. transmitter and receiver) to Carp Royal.
5	Motor doesn't work or stops by accident when all powers are ON and full. （Shoot troubles one by one）	Signal interferences occur.	Check if there are any strong signals interferences occur, such as communication facilities, power lines or skyscrapers.
		Fuse burns out.	Change new fuse. **Attention**: **ONLY** 10 or 15 A fuses can be used.
		Wires in the boat are connected poorly.	Check and re-connect.
		Receiver fault.	Open the *Window Cover*, and check if the receiver is well connected: 1. Numbers on the wires are corresponding to numbers on the receiver. 2. The metal side of plugs should all face the smaller number on the Receiver when connecting. 3. Exchange the new receiver and do **Code Matching,** and check again. 4. After above 3 steps checking and not solve problem, please return the whole set of R.C. (incl. transmitter and receiver) to Carp Royal.
		Transmitter fault.	Return the whole set of R.C. (incl. transmitter and receiver) to Carp Royal.
		Speed Controller fault.	Exchange the speed controller and return the fault one to Carp Royal.
		Motor fault.	Change new motor in this way: 1. Take off the propeller and disconnect the motor. 2. Take off screws on the Motor Base, and gently pull out the full set of motor. 3. Set up a set of new motor.

✧ **To ensure a normal use of our product, we suggest you settle some simple faults according to directions of this manual.**

✧ **For faults that you can not settle by yourself, please contact Carp Royal in time and with full data required.**

Hinweise zur Batterieentsorgung

Im Zusammenhang mit dem Vertrieb von Batterien oder mit der Lieferung von Geräten, die Batterien enthalten, ist der Verkäufer verpflichtet, Sie auf Folgendes hinzuweisen:

Sie sind zur Rückgabe gebrauchter Batterien als Endnutzer gesetzlich verpflichtet. Sie können Batterien nach Gebrauch an den Verkäufer oder in den dafür vorgesehenen Rücknahmestellen (z.B. in Kommunalen Sammelstellen oder im Handel) unentgeltlich zurückgeben. Sie können die Batterien auch per Post an den Verkäufer zurücksenden. Der Verkäufer erstattet Ihnen auf jeden Fall das Briefporto für den Rückversand Ihrer Altbatterie.Die auf den Batterien abgebildeten Symbole haben folgende Bedeutung:

= Batterie darf nicht in den Hausmüll gegeben werden

- Pb = Batterie enthält mehr als 0,004 Masseprozent Blei
- Cd = Batterie enthält mehr als 0,002 Masseprozent Cadmium
- Hg = Batterie enthält mehr als 0,0005 Masseprozent Quecksilber."

Sofern Sie auf einer Handelsplattform handeln und das Symbol der durchgekreuzten Mülltonne nicht angezeigt werden kann, wäre folgender Text möglich:

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Für Ihre Fragen stehen wir gerne zur Verfügung.

Carp Royal

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